

1st shift → 2
2nd → 3
3rd → 3
4th → 5
5th → 4
6th → 5
7th → 6
8th → 7
9th → 8
10th → 9
11th → 10
12th → 11
13th → 12
14th → 13
15th → 14
16th → 15
17th → 16
18th → 17
19th → 18
20th → 19
21st → 20
22nd → 21
23rd → 22
24th → 23
25th → 24
26th → 25
27th → 26
28th → 27
29th → 28
30th → 29
31st → 30
32nd → 31
33rd → 32
34th → 33
35th → 34
36th → 35
37th → 36
38th → 37
39th → 38
40th → 39
41st → 40
42nd → 41
43rd → 42
44th → 43
45th → 44
46th → 45
47th → 46
48th → 47
49th → 48
50th → 49
51st → 50
52nd → 51
53rd → 52
54th → 53
55th → 54
56th → 55
57th → 56
58th → 57
59th → 58
60th → 59
61st → 60
62nd → 61
63rd → 62
64th → 63
65th → 64
66th → 65
67th → 66
68th → 67
69th → 68
70th → 69
71st → 70
72nd → 71
73rd → 72
74th → 73
75th → 74
76th → 75
77th → 76
78th → 77
79th → 78
80th → 79
81st → 80
82nd → 81
83rd → 82
84th → 83
85th → 84
86th → 85
87th → 86
88th → 87
89th → 88
90th → 89
91st → 90
92nd → 91
93rd → 92
94th → 93
95th → 94
96th → 95
97th → 96
98th → 97
99th → 98
100th → 99

(2)

ABCDEFGHIJKLMNOPQRSTUVWXYZ
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25
 $x \rightarrow P$

E T P
t h e

Plain text Method.

C	C	P, P ₂
E	T	th
4	19	19 7

the

$P = \alpha X + \beta$

$$4 = \alpha 19 + \beta$$

$$- 19 = \alpha 7 + \beta$$

$$- 15 = \alpha 12$$

$$\frac{11 \pmod{26}}{12} = \alpha$$

$$11 \cdot 12^{-1} = \alpha$$

after frequency analysis.

[a b c d e f g h i j k l m n o p q r s
w x y z] → There are 26 letters

t u v w x y z
E V O A S I in messg

the/are.
E.T.P.

→ are is wrong.

→ as we have IR else where.

So re X wrong word.

→ the ✓ fix

letter frequencies.

R → 49 ≈ e.

F → 39

E → 32

B → 31

W → 25

L → 23

X → 23

P → 21

T → 21

C → 17

K → 13

N → 12

Y → 12

A → 10

M → 8

U → 8

V → 8

S → 6.

D → 3.

H → 3

O → 3

G → 2

I → 1

J → 1.

19 7 4.
the.

6 4 12 12 0 13.
german.

ETR.
4 19 17.

Y R L N W X.
24 17 11 13 22 23.

(1 1 12 13 18 13 22 22)
L M N. SN u w

By frequency analysis R ≈ e.

W ≈ a.

2
L H B.
= 12 B.

RBVFXVBLMGTR.
eoaakioyztge.

TXBTFYTRRLER.
hLphthmhf3sx

ETR 1st word → the.

ETWE might be → that.

WCC → a

C → L

EP → t - bo.

F → o

ATF → - ho

A → w

FETRLP → o the - -

L P → rs

HXRA → - - cw who he was.

H X → kn

→ ~~the~~ ~~the~~

the.
EVEPXBEEELRBV.
EVEPXBEEELRBV.
EVEPXBEEELRBV.

Cipher-2

26

EFNWEF KP → to^matoes. ; W X K → an-

N → m

K → d

Y R L N W X → ^german.

Y → g

B X → - n.

B → i

B X O R P E B Y W E F L P → in^vestigators.

O → v

N S P E R L B F V P → m^ysterio^us.

find message:

12357
12x 26 = 312 keys?
Krebs of (Greece) (Italy)

the german investigators homed in on the figure of this mysterious recruiter, but neither giuseppe sterantino nor any of the others knew who he was. all twenty-year-old enca de michiel knew was that 'georgio' used to go down daily to the village of arcangelo to buy tomatoes, olives or melons. chamico quireto too had gone into the hills after he met two italian soldiers in the fields of arcangelo who promised him food.

mark mazower: inside hitler's greece.